

What is claimed is:

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1. A light tube for illumination by a power supply circuit comprising:  
 a bulb portion,  
 a pair of end caps disposed at opposite ends of the bulb portion, and  
 a plurality of light emitting diodes disposed inside the bulb portion and in electrical communication with the pair of end caps for illuminating in response to electrical current to be received from the power supply circuit.

2. The light tube of claim 1 wherein the pair of end caps are shaped to be coupled with a fluorescent light tube socket.

3. The light tube of claim 2 wherein the pair of end caps are electrical bi-pin connectors.

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4. The light tube of claim 1 wherein the bulb portion and the pair of end caps are dimensioned to be mounted in a fluorescent light tube socket.

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5. In a replacement light tube for a fluorescent light fixture having a light tube socket and a power supply circuit, the improvement comprising:  
 a plurality of light emitting diodes disposed inside a bulb portion and in electrical communication with a pair of end caps for illuminating in response to electrical current to be received from the fluorescent light fixture.

6. The improvement of claim 5 wherein the plurality of light emitting diodes are mounted to a circuit board.

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- 1 7. The improvement of claim 5 wherein the  
2 plurality of light emitting diodes are mounted at a  
3 angular off-set to establish a predetermined radiation  
4 pattern of light.

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